

### **AMENDMENTS TO THE CLAIMS**

Please make the following amendments to the claims:

1. (Currently Amended) A system for displaying network performance parameters, comprising:

means for collecting, from a first and a second communication device, bit burst analysis information, network latency information, data delivery success information and frame size distribution information associated with a virtual circuit between the first and the second communication device; and

display means for displaying said bit burst analysis, network latency, data delivery success and frame size distribution information,

where said bit burst analysis information comprises a plurality of bit burst counters, each of said bit burst counters counting ~~a number of~~ one or more bit bursts that was placed into one of a plurality of burst categories, where said first and second communication device are each configured to ~~support user devices~~ couple at least one user device to the network.

2. (Original) The system of claim 1, wherein said display means further comprises a graphical user interface.

3. (Previously Presented) The system of claim 1, wherein said bit burst analysis, network latency, data delivery success and frame size distribution information is derived from said first and second communication device by a network management system.

4. (Cancelled)

5. (Currently Amended) In a communication environment having at least a first and a second communication device, said communication devices configured to ~~support user devices~~ couple user devices to the network, and a network management system, a system for displaying network performance information, comprising:

a plurality of network performance parameter views, comprising a bit burst analysis view, a network latency view, a data delivery success view and a frame size distribution view, wherein said views are associated with a virtual circuit between the first and the second communication device; and

display means for presenting to a user said plurality of network performance parameter views,

where said bit burst analysis view comprises a plurality of bit burst counters, each of said bit burst counters counting ~~a number of~~ one or more bit bursts that was placed into one of a plurality of burst categories.

6. (Previously Presented) The system of claim 5, wherein said display means further comprises a graphical user interface.

7. (Cancelled)

8. (Currently Amended) A method for displaying network performance parameters in a network comprising a network management system and at least a first and a second communication device, said communication devices configured to ~~support user devices~~ couple user devices to the network, the method comprising the steps of:

collecting a plurality of network performance information including bit burst analysis information, network latency information, data delivery success information, and frame size

distribution information, each of said plurality associated with a virtual circuit between the first and the second communication device; and

displaying views of said bit burst analysis, said network latency, said data delivery success, and said frame size distribution information,

where said bit burst analysis information comprises a plurality of bit burst counters, each of said bit burst counters counting ~~a number of~~ one or more bit bursts that was placed into one of a plurality of burst categories.

9. (Previously Presented) The method of claim 8, further comprising the step of:  
collecting in said network management system said plurality of network performance parameter views from said first and said second communication devices.

10. (Cancelled)

11. (Previously Presented) A computer readable medium having a program for displaying network performance parameters in a network comprising a network management system and at least two communication devices, said communication devices configured to ~~support user devices~~ couple user devices to the network, the program comprising logic configured to perform the steps of:

collecting a plurality of network performance information including bit burst analysis information, network latency information, data delivery success information, and frame size distribution information, each of said plurality associated with a virtual circuit between the first and the second communication device; and

displaying views of said bit burst analysis, said network latency, said data delivery success, and said frame size distribution information,

where said bit burst analysis information comprises a plurality of bit burst counters, each of said bit burst counters counting ~~a number of~~ one or more bit bursts that was placed into one of a plurality of burst categories.

12. (Previously Presented) The program of claim 11, further comprising logic configured to perform the step of:

collecting in said network management system said plurality of network performance parameter views from said first and said second communication devices.

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Previously Presented) The system of claim 1 , wherein said virtual circuit is a permanent virtual circuit.

17. (Previously Presented) The system of claim 1 , wherein said virtual circuit is a switched virtual circuit.

18. (Cancelled)

19. (Previously Presented) The method of claim 8, further comprising the step of displaying said bit burst analysis, network latency, data delivery success and frame size distribution views simultaneously.

20. (Previously Presented) The program of claim 11, further comprising logic configured to perform the step of displaying said bit burst analysis, network latency, data delivery success and frame size distribution views simultaneously.

21. (Previously Presented) The system of claim 1, further comprising:  
means for collecting the information from the first communication device over a first secondary management channel and from the second communication device over a second secondary management channel.

22. (Previously Presented) The method of claim 8, further comprising:  
collecting the plurality of network performance information from the first communication device over a first secondary management channel and from the second communication device over a second secondary management channel.

23. (Previously Presented) The computer readable medium of claim 11, further comprising the step of:  
collecting the plurality of network performance information from the first communication device over a first secondary management channel and from the second communication device over a second secondary management channel.

24. (Previously Presented) A system for displaying network performance parameters, comprising:  
means for collecting, from a first and a second communication device, bit burst analysis information, network latency information, data delivery success information and frame size distribution information associated with a virtual circuit between the first and the second

communication device, said first and second communication device each being configured to couple at least one user device to the network; and

display means for displaying said bit burst analysis, network latency, data delivery success and frame size distribution information,

where said bit burst analysis information comprises a plurality of bit burst counters, each of said bit burst counters counting ~~a number of~~ one or more bit bursts that was placed into one of a plurality of burst categories.

25. (Previously Presented) The system of claim 24, wherein said display means further comprises a graphical user interface.

26. (Previously Presented) The system of claim 24, wherein said bit burst analysis, network latency, data delivery success and frame size distribution information is derived from said first and second communication device by a network management system.

27. (Previously Presented) The system of claim 24 , wherein said virtual circuit is a permanent virtual circuit.

28. (Previously Presented) The system of claim 24, wherein said virtual circuit is a switched virtual circuit.

29. (Cancelled)

30. (Previously Presented) A method for displaying network performance parameters in a network comprising a network management system and at least a first and a second communication device, the method comprising the steps of:

collecting a plurality of network performance information comprising bit burst analysis information, network latency information, data delivery success information, and frame size distribution information, each of said plurality associated with a virtual circuit between the first and the second communication device, said first and second communication device each being configured to couple at least one user device to the network; and

displaying views of said bit burst analysis, said network latency, said data delivery success, and said frame size distribution information,

where said bit burst analysis information comprises a plurality of bit burst counters, each of said bit burst counters counting ~~a number of~~ one or more bit bursts that was placed into one of a plurality of burst categories.

31. (Previously Presented) The method of claim 30, wherein said virtual circuit is a permanent virtual circuit.

32. (Previously Presented) The method of claim 30, wherein said virtual circuit is a switched virtual circuit.

33. (Previously Presented) The method of claim 30, further comprising the step of: collecting in said network management system said plurality of network performance parameter views from said first and said second communication devices.

34. (Cancelled)

35. (Previously Presented) The method of claim 30, further comprising the step of displaying said bit burst analysis, network latency, data delivery success and frame size distribution views simultaneously.

36. (Previously Presented) A computer readable medium having a program for displaying network performance parameters in a network comprising a network management system and at least two communication devices, the program comprising logic configured to perform the steps of:

collecting a plurality of network performance information comprising bit burst analysis information, network latency information, data delivery success information, and frame size distribution information, each of said plurality associated with a virtual circuit between the first and the second communication device, the first and second communication device each being configured to couple at least one user device to the network; and

displaying views of said bit burst analysis, said network latency, said data delivery success, and said frame size distribution information,

where said bit burst analysis information comprises a plurality of bit burst counters, each of said bit burst counters counting ~~a number of~~ one or more bit bursts that was placed into one of a plurality of burst categories, and where said first and second communication device are each configured to couple at least one user device to the network.

37. (Previously Presented) The computer readable medium of claim 36, wherein said virtual circuit is a permanent virtual circuit.

38. (Previously Presented) The computer readable medium of claim 36, wherein said virtual circuit is a switched virtual circuit.

39. (Previously Presented) The program of claim 36, further comprising logic configured to perform the step of:



collecting in said network management system said plurality of network performance parameter views from said first and said second communication devices.

40. (Cancelled)

41. (Cancelled)

42. (Currently Amended) A system for displaying network performance parameters associated with a first and a second communication device, comprising:

a poller ~~configured to poll~~ means for polling the first and the second communication device for a plurality of network performance information comprising bit burst analysis information, network latency information, data delivery success information, and frame size distribution information, each of said plurality associated with a virtual circuit between the first and the second communication device, the first and second communication device being configured to couple at least one user device to the network;

an analyzer ~~configured to produce~~ means for producng a report of the plurality of network performance information; and

a display module ~~configured to display~~ means for displaying the report.

43. (Previously Presented) The system of claim 42, wherein the poller is further configured to poll the first communication device over a first secondary management channel and to poll the second communication device over a second secondary management channel.

44. (Previously Presented) The system of claim 42, further comprising:

a statistics database configured to store the plurality of network performance information.

45. (Previously Presented) The system of claim 42, further comprising:  
a formatter configured to prepare the report for visual presentation.
46. (Previously Presented) The system of claim 42, further comprising:  
means for setting the rate at which the poller operates.
47. (Previously Presented) The system of claim 42, wherein said virtual circuit is a  
permanent virtual circuit.
48. (Previously Presented) The system of claim 42, wherein said virtual circuit is a  
switched virtual circuit.
49. (New) The system of claim 1, wherein each of said bit burst counters counts the  
one or more bit bursts that was placed into one of the plurality of burst categories during a  
sliding window time interval, the time interval synchronized to begin with detection of the first  
of the one or more bit bursts.
50. (New) The system of claim 5, wherein each of said bit burst counters counts the  
one or more bit bursts that was placed into one of the plurality of burst categories during a  
sliding window time interval, the time interval synchronized to begin with detection of the first  
of the one or more bit bursts.
51. (New) The method of claim 8, wherein each of said bit burst counters counts the  
one or more bit bursts that was placed into one of the plurality of burst categories during a  
sliding window time interval, the time interval synchronized to begin with detection of the first  
of the one or more bit bursts.

52. (New) The program of claim 11, wherein each of said bit burst counters counts the one or more bit bursts that was placed into one of the plurality of burst categories during a sliding window time interval, the time interval synchronized to begin with detection of the first of the one or more bit bursts.

53. (New) The system of claim 24, wherein each of said bit burst counters counts the one or more bit bursts that was placed into one of the plurality of burst categories during a sliding window time interval, the time interval synchronized to begin with detection of the first of the one or more bit bursts.

54. (New) The method of claim 30, wherein each of said bit burst counters counts the one or more bit bursts that was placed into one of the plurality of burst categories during a sliding window time interval, the time interval synchronized to begin with detection of the first of the one or more bit bursts.

55. (New) The computer readable medium of claim 36, wherein each of said bit burst counters counts the one or more bit bursts that was placed into one of the plurality of burst categories during a sliding window time interval, the time interval synchronized to begin with detection of the first of the one or more bit bursts.

56. (New) The system of claim 42, wherein each of said bit burst counters counts the one or more bit bursts that was placed into one of the plurality of burst categories during a sliding window time interval, the time interval synchronized to begin with detection of the first of the one or more bit bursts.